

NRWWTP EMS OBJECTIVES AND TARGETS

2016 Draft Objectives and Targets							
Goal	Objective	Target	Actions	Responsible Party	Strategic Plan Focus	Significant Aspect	% Complete
1. Improve communication with interested parties and stakeholders	Improve and monitor reuse water quality	Improve and monitor reuse water quality by designing disinfection booster station in reuse distribution system by April 2016. Design on-site storage for reuse system by April 2016 for RSA	Perform modeling through data and hydraulic analysis of reuse distribution system.	Environmental Coordinator	Environmental Stewardship and Stakeholder Outreach		
	Reduce total nitrogen discharge in the effluent at NRRRF	Reduce total nitrogen effluent discharge at NRRRF in pounds to less than 350,000 pounds per year	1) Trend nitrate loads to the pre-UV channel 2) Determine sidestream nitrate load timing and compare to UV nitrate loads 3) Determine feasibility of methanol adjustment change to bioreactors in SCADA 4) Adjust feed rate to filters	Plant Facility Manager/Operations Supervisor	Environmental Stewardship and Operational Optimization		
	Initiate ISO 17025 Certification	Become 100% ISO 17025 certified by December 31, 2016	Research the process of ISO 17025 certification beginning in November 2015	Laboratory Supervisor	Operational Optimization		
2. Improve environmental performance	Continue to produce exceptional quality Class A biosolids	Produce biosolids that are 25% of the federally regulated metals ceiling levels for exceptional quality biosolids in 2016	Monitor heavy metals compliance on a monthly basis	Pretreatment Coordinator	Environmental Stewardship	Water pollution (High metals or toxic pollutants from permitted users)	
	Optimize new biological phosphorous removal at NRRRF	Reduce aluminum sulfate usage by 5% from about 350 tons per year to 332 tons per year	1) Start the anaerobic zone on Bioreactors 5 & 6 by January 15, 2016 and Bioreactors 3 & 4 by June 30, 2016 2) Monitor sidestream of dewatering and adjust process as required	Plant Facility Manager/Operations Supervisor	Environmental Stewardship and Operational Optimization		
	Manage key elements of Industrial Pretreatment Program with pretreatment software	Identify and evaluate 3 potential IPP software programs and implement by December 2016	Determine needs for software. Identify, research, and evaluate available software. Select and begin implementation process for software.	Pretreatment Coordinator	Operational Optimization		
3. Continue to improve efficiency of Resource Recovery management program	Distribute Little Creek's Biosolids under NRRRF outlets	Distribute 100% of Little Creek's biosolids by December 31, 2016	Set monthly hauling schedule to transfer Little Creek's solids to NRRRF's UnCAD's	Assistant W & S Superintendent	Operational Optimization	Odor/GHG Offset (beneficial)	
	Improve the efficiency of biosolids handling by reducing volume and hauling requirements.	Reduce disposal cost of E.M. Johnson WTP residuals by 15%	Mix NRRRF Class A biosolids and EMJ WTP residuals and market as a soil neutralizer by June 30, 2016	Assistant W & S Superintendent	Operational Optimization	GHG offset (beneficial)	
	Improve staff development and competency by cross training	Have lab staff 75% cross trained within the lab by July 1, 2016	Rotate staff into different laboratory sections every four months	Laboratory Supervisor	Operational Optimization		
	Improve laboratory chemical inventory, handling and receiving	Research and develop chemical inventory checklist using LIMS software by May 2016	Create chemical inventory list and track in Sample Master	Laboratory Supervisor/Senior Chemist	Operational Optimization		
	Increase level of preventive maintenance	Based on the average of PM hours assigned to Work Orders in preceding 12 months, increase 2016 levels by 10%	Increase PM activities and accountability of time via work orders in Maintstar. Track PM hours in KPI dashboard.	Plants Maintenance Manager	Operational Optimization		
	Improve Remote Facilities Hazardous Weather Readiness & Response Planning	Develop Maintenance Instructions, Check List and Responsibilities for Hazardous Weather Events by Aug 1, 2016	1) Identify Hazardous Weather Events 2) Develop a Maintenance Response Plan for each Weather Event	Plants Maintenance Manager	Operational Optimization		
	Develop Equipment Operating Instructions (EOIs) for plant equipment at LC and SC WWTPs	Develop and update 100% of EOIs by December 31, 2016 Train staff on 25% of EOIs by December 31, 2016	• Identify what EOIs exist and need updating. • Identify what EOIs need to be written	SC Plant Facilities Manager LC Plant Facilities Manager	Operational Optimization		
4. Continue to maintain and improve regulatory compliance	Increase the amount of basin profile sampling for SCWWTP	Implement bi-monthly basin profile sampling to increase by 10% in 2016 over 2015 levels	• Analyze profile data to optimize plant operations	SC Plant Facilities Manager	Environmental Stewardship	Energy use	